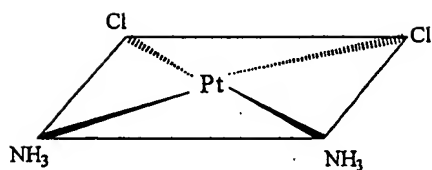
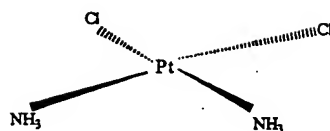


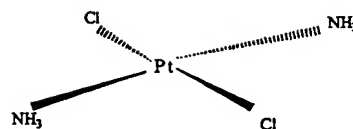
FIGURE 1



A square-planar 4-coordination Pt²⁺ complex



cis-Pt-DDP

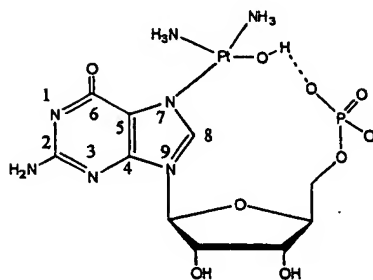


trans-Pt-DDP

d¹⁴ electronic configuration is the rule

FIGURE 2

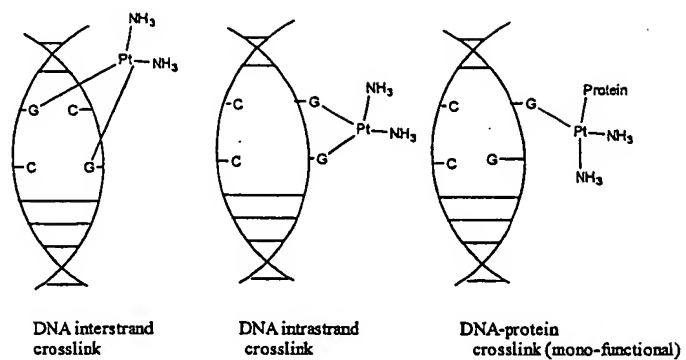
The Pt(II) ion coordinated to N⁷ of a guanine DNA base.



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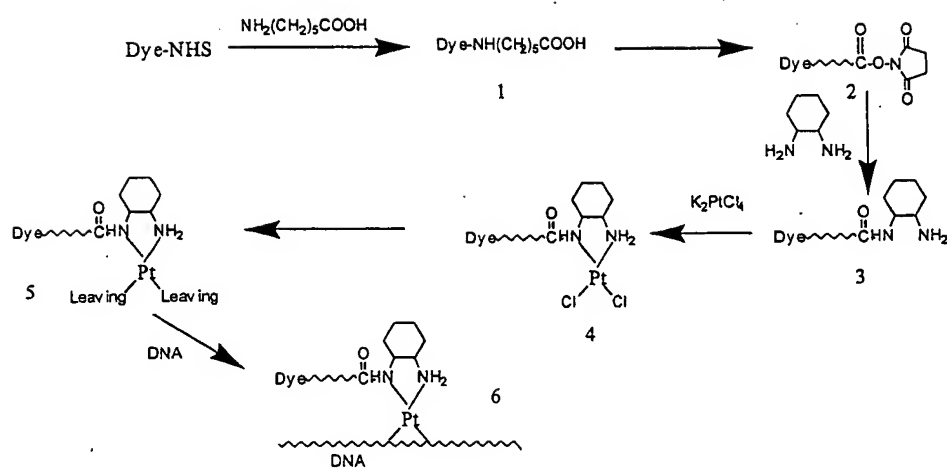
FIGURE 3

cis-DDP interactions with DNA.



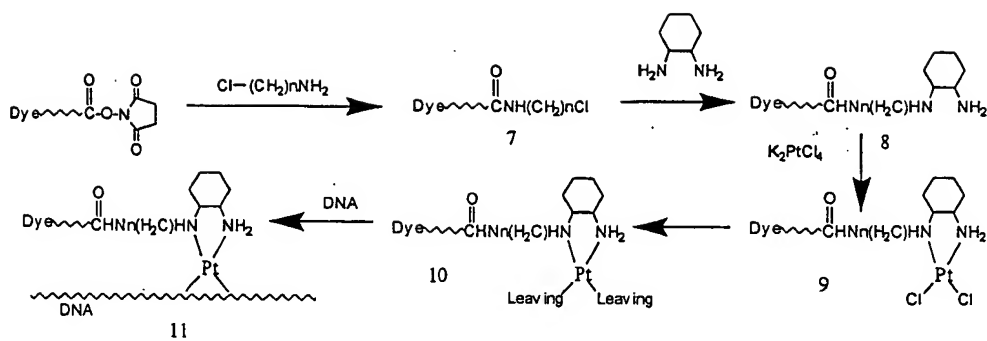
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FIGURE 4



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FIGURE 5



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FIGURE 6

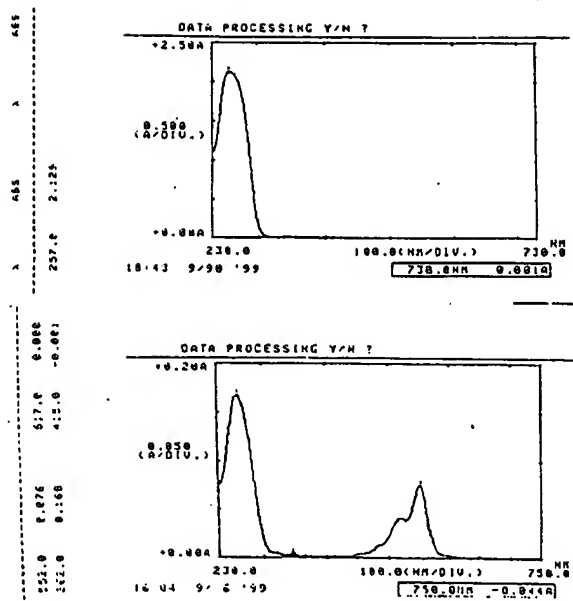


FIGURE 7

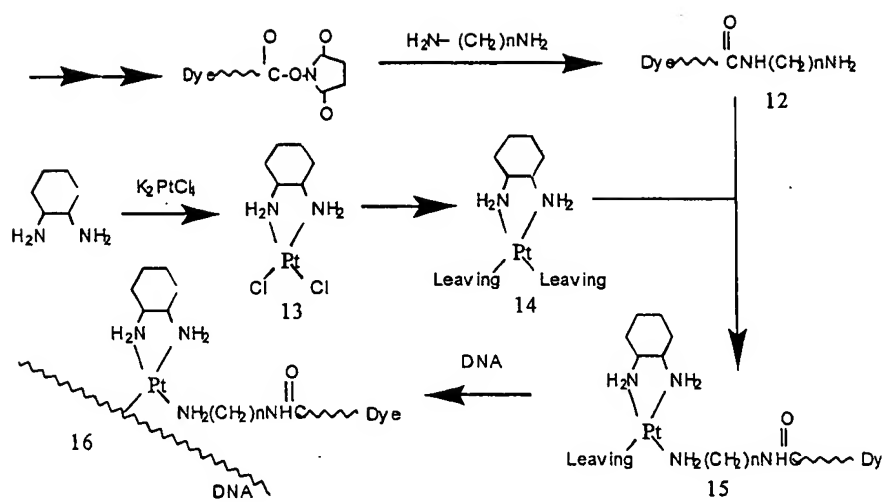
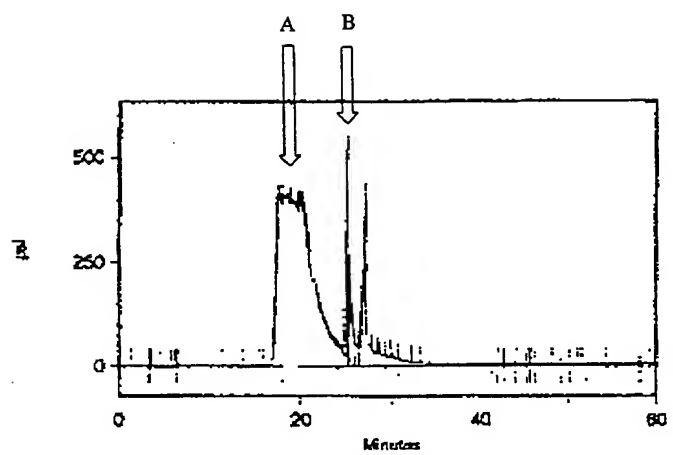


FIGURE 8



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FIGURE 9

A B C



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FIGURE 10

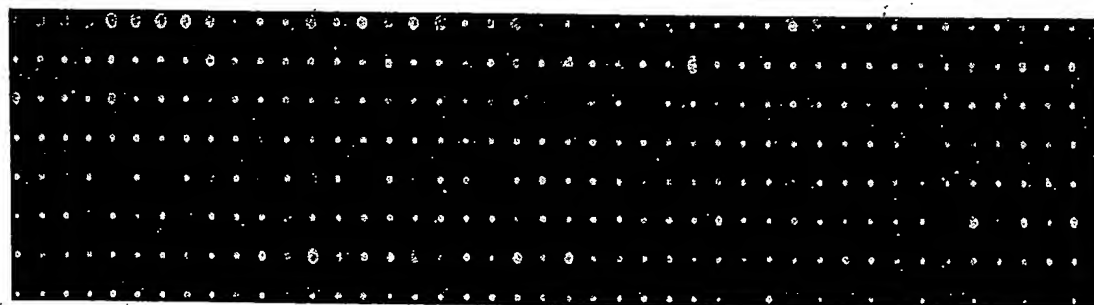
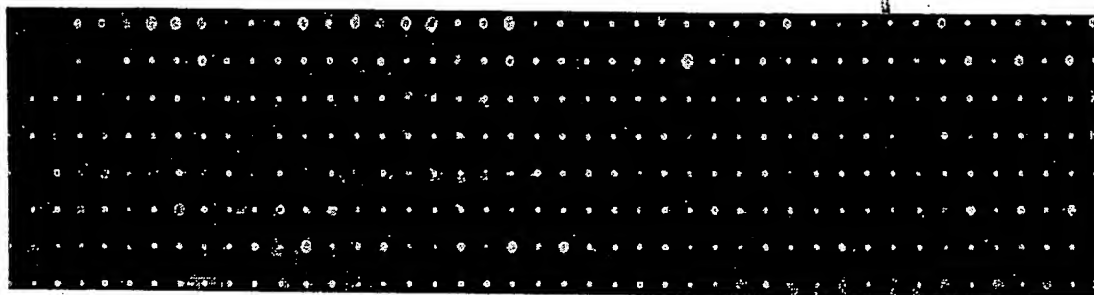
ABC



- A. cDNA labeled with allyl-amine dUTP/Cy3-NHS
- B. cDNA labeled with cis-Pt-Cy3
- C. cDNA labeled with 5'-Cy3 primer

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FIGURE 11



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FIGURE 12

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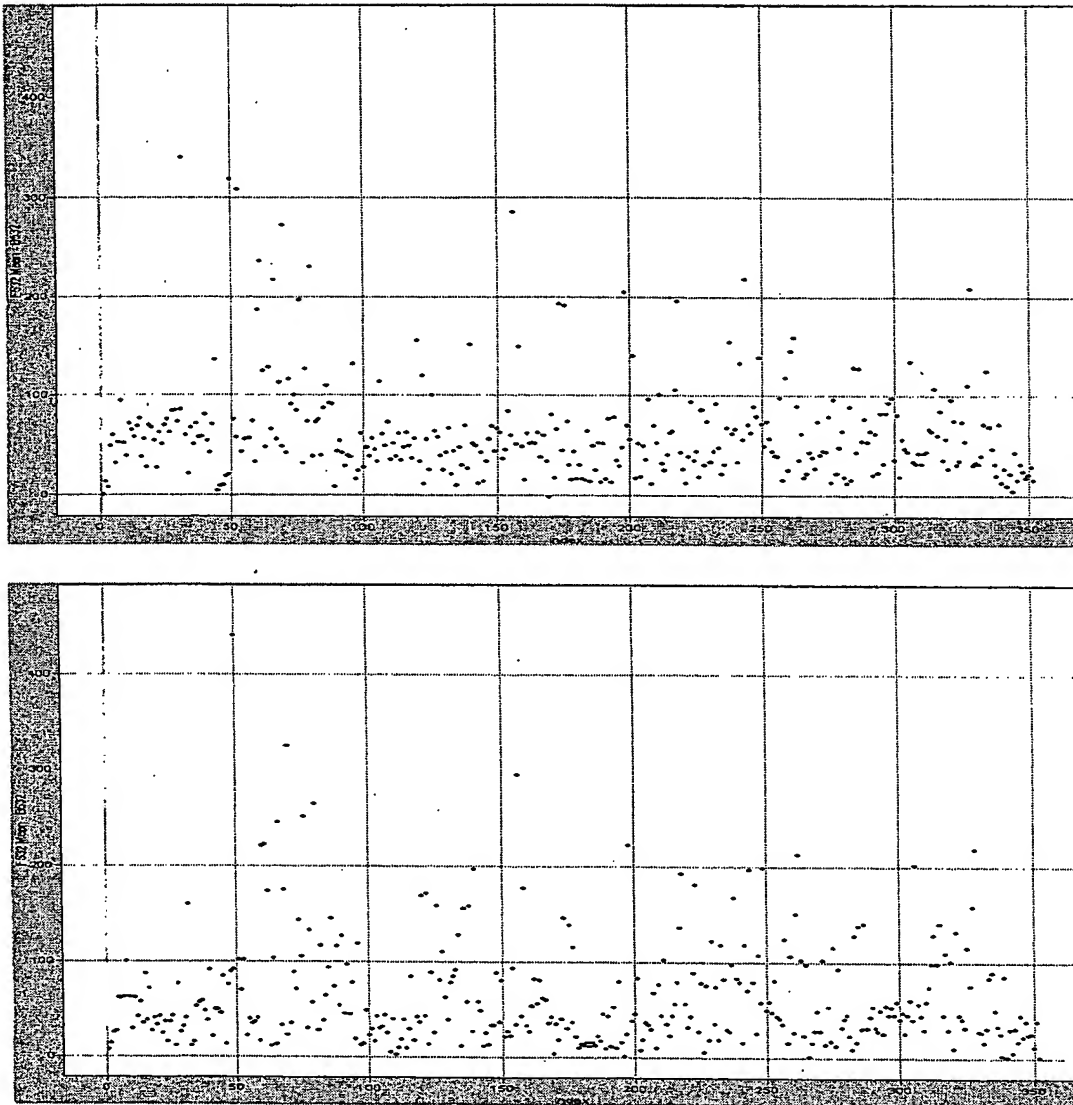
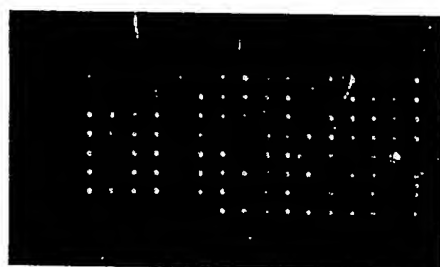


FIGURE 13



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